

Agriculture Water Quality Alliance:

Protecting the waters and watersheds of the

Monterey Bay National Marine Sanctuary

www.awqa.org





WATER QUALITY CONCERNS



"Duster" plane spraying insecticide over a field of beans. The mechanic in the foreground indicates the outside limit of the last "swath" for the pilot. FSA.

AWQA: Agriculture Water Quality Alliance

Agriculture and Rural
Lands Plan

6 Counties

11 Major Watersheds

3.5 Million Acres



Central Coast Agricultural Water Quality Coalition Watershed Working Groups



This map is intended for informational use only. Features were selected from the GIS data representing watersheds, streams, and highways obtained from the California Spatial Information Library. The urban areas data was obtained from the U.S. Census Bureau. The most recent and extensive data was used, however that does not guarantee its accuracy. California Farm Bureau Federation will not be liable under any circumstance for any damage with respect to any claim by the user or any third party on account of or arising from the use of this map or data. This map was created for the exclusive use of the Monterey Bay National Marine Sanctuary by the California Farm Bureau Federation, October 2004.



Watershed Working Groups

“Local Residents Solving Local Problems”



SAN MATEO COUNTY



Floral & Nursery (indoor
and outdoor) 79.5%

\$144 Million

WATER QUALITY EDUCATION



FARM WATER QUALITY PLANNING
MANAGEMENT PRACTICES

University of California Cooperative Extension
Natural Resources Conservation Service

Streambank Protection
#580



Streambank Protection is the practice of using vegetation or structures to stabilize and protect the banks of streams and other waterbodies. The purpose is to prevent bank erosion, control channel meander if adjacent property improvements are threatened, and reduce sediment loads.

Stream Channel Stabilization #584 should be used prior to Streambank Protection when the stream channel is deepening (also called downcutting) or filling with sediment.

Advantages

- Retention of sediment by vegetation
- Reduced erosion due to decreased flow at the base of stream banks
- Habitat enhancement if vegetation is used

Disadvantages

- Can deflect flow to unprotected banks on opposite side or downstream if not properly designed

Quality Planning Short Course Tailgate Sessions



SAN BENITO COUNTY



ON-THE-GROUND RESULTS



INCREASED STAFF

Rangeland Specialist

Watershed Coordinator

AWQA Coordinator

Watershed Coordinator

Irrigation Advisor

Watershed Coordinator

Hydrologist

Water Quality Specialist



EVALUATION FRAMEWORK



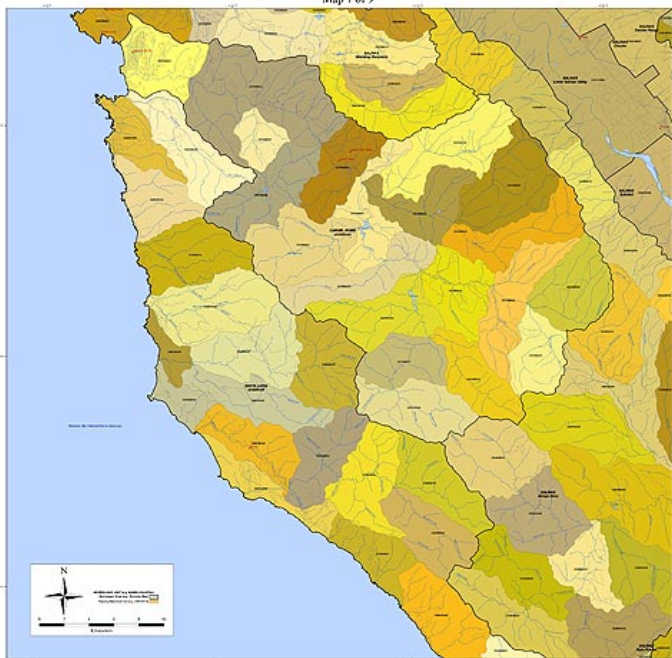
Monitoring Locations



EVALUATION FRAMEWORK



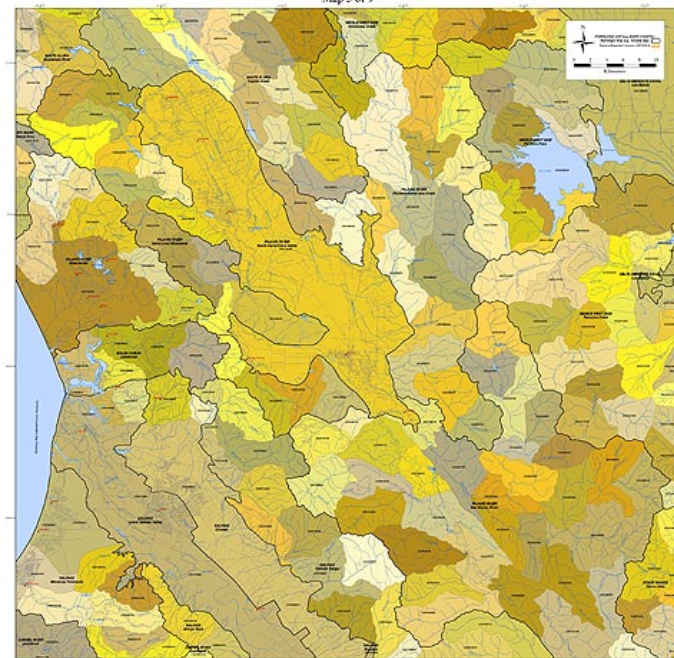
Agriculture Water Quality Alliance (AWQA)
Hydrologic Planning Watersheds
Map 7 of 9



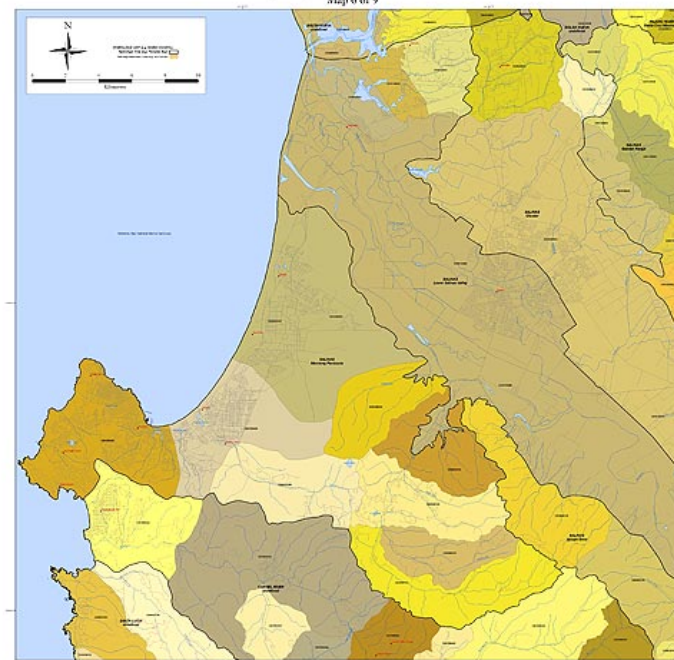
Map 2 of 9



Agriculture Water Quality Alliance (AWQA)
Hydrologic Planning Watersheds
Map 5 of 9



Map 6 of 9



EVALUATION FRAMEWORK



Evaluation Framework



450,000 Tons of Soil



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